

Egypt installs 100G silicon photonics technology



Overview

Launched in 2022, InfiniLink developed groundbreaking Silicon Photonics integrated optical transceiver chiplets (iOTC) technology which enables low-power pluggable transceiver modules and high-bandwidth-density co-packaged optical engines (CPO). When Petroleum and Mineral Resources Minister Karim Badawy announced that Egypt intends to localize the production of electronic chips and solar cells using domestic raw materials, it marked more than a policy statement — it was a signal of strategic intent. His remarks, delivered during a meeting. Egypt Ventures has successfully exited InfiniLink, a Cairo-based semiconductor startup. GlobalFoundries' acquisition will advance its connectivity and silicon-photonics capabilities. InfiniLink designs silicon-based photonic chips that enable high-speed data. CAIRO - 10 May 2023: During the current week, Engineer Tarek El-Molla, Minister of Petroleum and Mineral Resources, announced the start of the implementation of the silicon production complex project in the new city of El Alamein, which is one of the most important national and strategic projects. InfiniLink, a semiconductor startup specializing in advanced optical data connectivity chips for AI-driven data centers, has raised \$10M funding round to provide ultra-high-speed, energy-efficient data connectivity essential for the next generation of AI-driven data centers. This seed-stage. InfiniLink, an Egyptian semiconductor startup focused on advanced optical data connectivity, has raised \$10mn in seed funding to accelerate the development of its technology for artificial intelligence-driven data centres. The investment round saw participation from MediaTek, the Taiwanese fabless.

Article Content

Roadmapping the next generation of silicon photonics

What will the next generation of silicon photonics look like? What are the common threads in the integration and fabrication bottlenecks that silicon

Inphi Sells Over 100,000 Units of COLORZ 100G Silicon

Inphi Corporation, a leader in high-speed data movement interconnects, has shipped more than 100,000 COLORZ units, the industry's first

Silicon photonics

Silicon photonics is the study and application of photonic systems which use silicon as an optical medium. The silicon is usually patterned with sub

Silicon Photonics in 100G QSFP28: Laser Tech, Market Trends

Discover how silicon photonics and laser advancements redefine 100G QSFP28 performance. Compare VCSEL/EML/DML lasers, vendor strategies, and future-proof deployment

Single-Chip Silicon Photonics 100

4. Conclusion We demonstrated a single-chip 100-Gb/s coherent transceiver in silicon photonics which contains all the required optics except the laser.

10 things to know about Silicon Production complex

It is planned to implement the fourth phase of the complex for silicon and its derivatives through the establishment of a complex for small and medium

Egypt's InfiniLink Raises \$10M From MediaTek For AI

Launched in 2022, InfiniLink developed groundbreaking Silicon Photonics integrated optical transceiver chiplets (iOTC) technology which

Details for On

On - Chip Applications of Silicon Photonics : A Thesis submitted to the Graduate School of Electronics, Communications and Computer Engineering : Egypt - Japan University of Science and Technology

Intel: Silicon Photonics Enables 100 Gigabit Transfers

Intel first announced its silicon photonics research in 2010, when it teased the transmission technology's ability to revolutionize data transfers for

Breakthrough in Silicon Photonics Technology in

Silicon photonics has been an area of active research and development. Researchers have been working on enhancing the integration density and

Source Photonics: 100G SFP112 Product Family

These products fully take advantage of Source Photonics' self-developed 53G EML laser chips, which reduce the power consumption of 100G optical modules to

Egypt Ventures Announces Successful Exit from

Egypt Ventures is proud to announce its successful exit from InfiniLink, a Cairo-based deep-tech semiconductor startup, following its acquisition by

GlobalFoundries Acquires Egypt's InfiniLink, Boosting

Egypt Ventures has successfully exited InfiniLink, a Cairo-based semiconductor startup. InfiniLink specialises in silicon-photonics, enhancing AI

Roadmapping the next generation of silicon photonics

We chart the generational trends in silicon photonics technology, drawing parallels from the generational definitions of CMOS technology. We

Egyptian Semiconductor Startup InfiniLink Raises \$10M

InfiniLink, an Egyptian semiconductor startup specializing in advanced optical data connectivity chips, has secured \$10 million in seed funding to

The Future of Silicon Photonics: Not So Fast? Insights From 100G ...

The Future of Silicon Photonics: Not So Fast? Insights From 100G Ethernet LAN Transceivers Abstract: While many articles have touted Si photonics' potential to bring the bandwidth

Silicon Photonics in 2024 Integrated Photonic Systems

IntroductionSilicon photonics is an emerging technology that builds photonic integrated circuits (PICs) directly on the mature silicon manufacturing platform

Taiwanese Chip Giant Backs Egypt's InfiniLink in \$10M Seed Round

InfiniLink, an Egyptian semiconductor startup focused on advanced optical data connectivity, has raised \$10mn in seed funding to accelerate the development of its technology for

Exploring Innovation in 100G Silicon Photonics Modules Industry

100G silicon photonics modules represent a critical component in high-speed optical communication networks. These modules integrate multiple optical components onto a single silicon chip, resulting in

Update: PIC100 or ST's 1st silicon photonics technology

As these QSFP56 modules have suffered from shortages, our new device should help alleviate these issues and provide an intermediate step

InfiniLink secures \$10M funding from MediaTek, Sukna

Since its founding in 2022, InfiniLink developed groundbreaking Silicon Photonics integrated optical transceiver chiplets (iOTC) technology. The funding

100G Silicon Photonics Modules Market | Forecast Report 2035

Read More 100G Silicon Photonics Modules Market Regional Insights From a regional standpoint, North America is anticipated to dominate the Global 100G Silicon Photonics Modules

ST silicon photonics and BiCMOS technologies: the winning portfolio

Silicon photonic PIC100 technology represents a cutting-edge advancement in the field of optical communications and integrated photonics. Silicon photonics leverages the well-established silicon

Review of Silicon Photonics Technology and Platform Development

We will provide a comprehensive review of the development of silicon photonics and the foundry services which enable the productization, including various efforts to develop and release PDK devices.

Egypt's Silicon Roadmap: Turning Vision into Scientific

When Petroleum and Mineral Resources Minister Karim Badawy announced that Egypt intends to localize the production of electronic chips and

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